



4800 Ashford Dunwoody Road
Dunwoody, Georgia 30338
dunwoodyga.gov | 678.382.6700

MEMORANDUM

To: Mayor and City Council

From: Michael Smith, Public Works Director

Date: March 28, 2022

Subject: **Conceptual Design for Village Crossroads- Chamblee Dunwoody Road from Womack Road to Roberts Drive Corridor Improvements**

ACTION

Discuss the conceptual design for proposed improvements on Chamblee Dunwoody between Womack Road and Roberts Drive (Village Crossroads Project)

SUMMARY

The community expressed a vision for a more walkable and bike friendly in the initial Dunwoody Village Master Plan and in subsequent plan updates. The primary objective of the Village Crossroads project is to implement that vision by adding cycle tracks, wider sidewalks, street trees and lighting on Chamblee Dunwoody Road between Womack Road and Roberts Drive.

DETAILS

Background

The Village Crossroads project originated out of the recommendations in the 2011 Dunwoody Village Master Plan. In 2017, the city received federal funding through the Atlanta Regional Commission to develop a conceptual design. The city elected to defer work on the conceptual design until the Village master plan update was completed in 2020.

Proposed Concept

The proposed improvements consist of a cycle track and wider sidewalks on both sides of Chamblee Dunwoody Road from Womack Road to Roberts Drive. The cycle track would be separated from the vehicle travel lanes and raised to the level of the sidewalk. A landscape buffer with street trees and lighting would separate the cycle track from the sidewalk. In areas, such as in front of the farmhouse, where the public right of way is not as wide, the landscape buffer width would be reduced and street trees would not be added.

The proposed design for the roadway generally maintains the lane configurations as they currently exist with the exception of removing one of the southbound through-lanes south of Mount Vernon Road. In areas north of Mount Vernon Road where a center turn lane is not needed, the turn lane would be converted to a landscaped median with the goal of adding greenery, calming traffic and creating safer pedestrian crossings.

Traffic



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Most weekday, daytime hours the traffic volume on Chamblee Dunwoody Road north of Mount Vernon Road is at or above the volume that can be accommodated with only one travel lane in each direction. However, adding travel lanes in both directions was not considered as an option based on the vision established in the mast plan. The city did consider several alternatives to improve traffic flow at Mount Vernon Road and developed concepts for a roundabout at Roberts Drive. An additional northbound left turn lane at Mount Vernon Road has been including in the concept design because it is projected to reduce travel delay for the intersection by 15% and can be added with minimal impact to adjacent parcels. Traffic modeling indicated that additional turn lanes or a roundabout would provide additional traffic benefits but would require significantly more right of way. A roundabout at Roberts Drive would help meter traffic merging southbound in the mornings.

Public Comments

During the 30-day comment period, there were 1,000 views of the project page on the city's website and over 3,000 views of the informational video. The city received 82 comment forms with 76% expressing overall support for the project. When asked to rank the proposed improvements in order of priority, many respondents placed traffic congestion relief and wider sidewalks as one of their top two priorities. Half of the respondents said they avoid the area when possible because of traffic while close to 40% said the traffic was tolerable. There was strong support for spending 30% or more of the project cost to bury utilities along the corridor and for spending one or two percent on public art.

RECOMMENDED ACTION

Provide feedback on the proposed conceptual design and build consensus for moving forward with detailed engineering and design plans.



City of Dunwoody *Georgia*

Village Crossroad-Chamblee Dunwoody Conceptual Design

March 28, 2022

Packet page:...

Background: 2011 Village Master Plan

The 2011 plan called for:

- A true “downtown”
- A more walkable and bikeable village
- Central public green space
- Vibrant mix of civic, office, convenience retail, and residential uses
- New streets with redevelopment



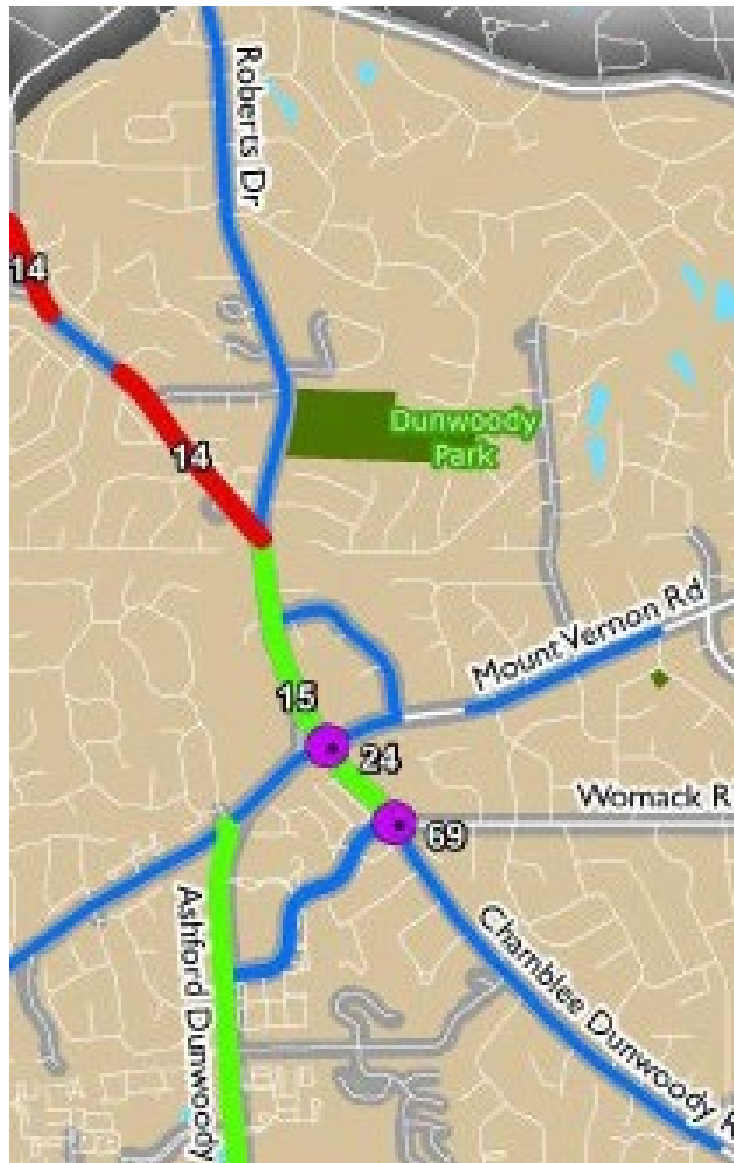


Figure 18 Mid-Term Project Recommendations, [Dunwoody Transportation Plan Update](#)

INTERSECTION IMPROVEMENTS

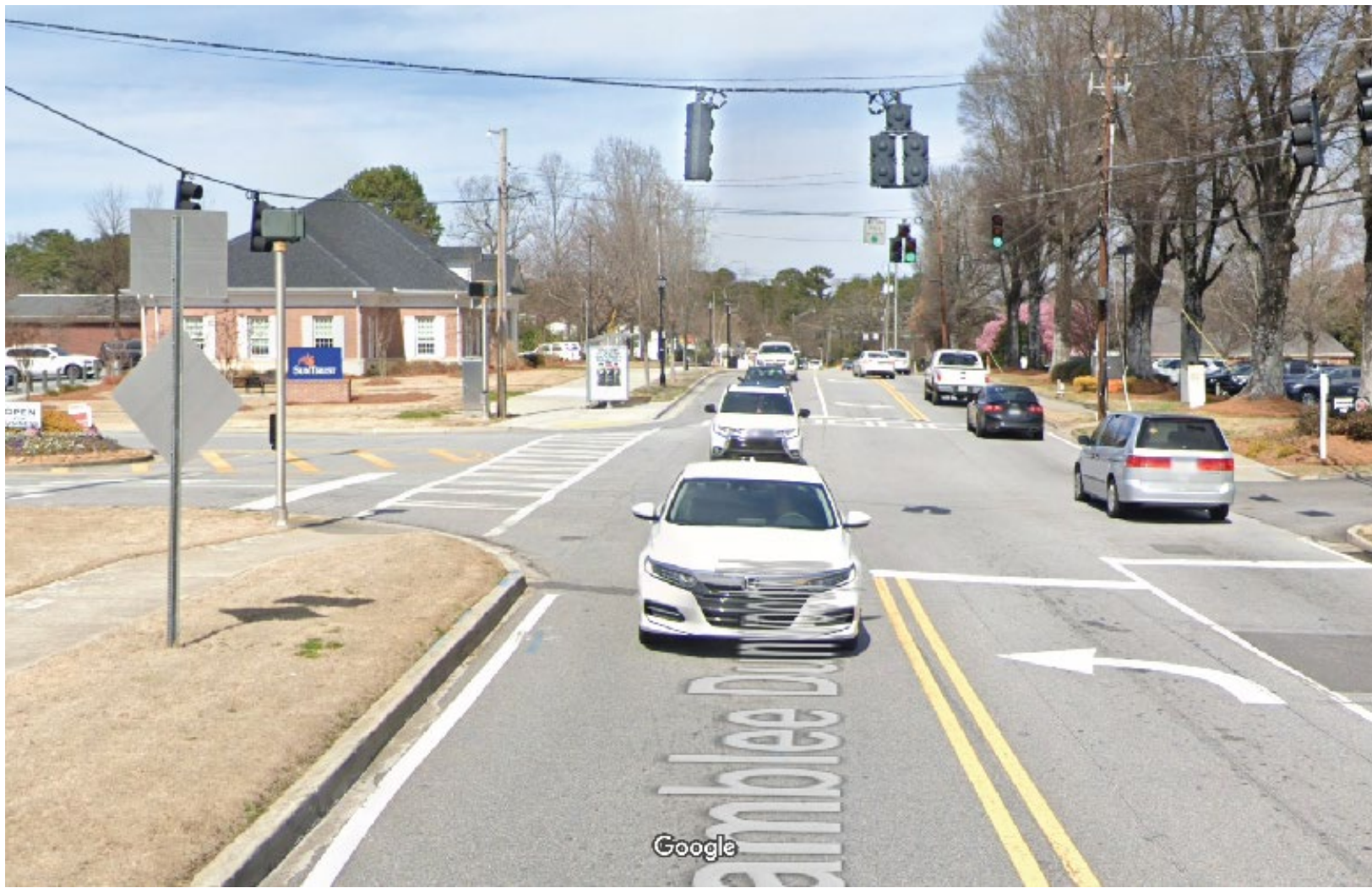
● INTERSECTION IMPROVEMENT

CORRIDOR IMPROVEMENTS

- BIKE LANES
- TURN LANES/BIKE LANES
- BIKE & PEDESTRIANS
- NEW ROADWAY
- WIDENING

OTHER FEATURES

- M MARTA STATION
- EXISTING BIKE LANE
- SIDEWALK COVERAGE
- PARKS
- WATER FEATURES



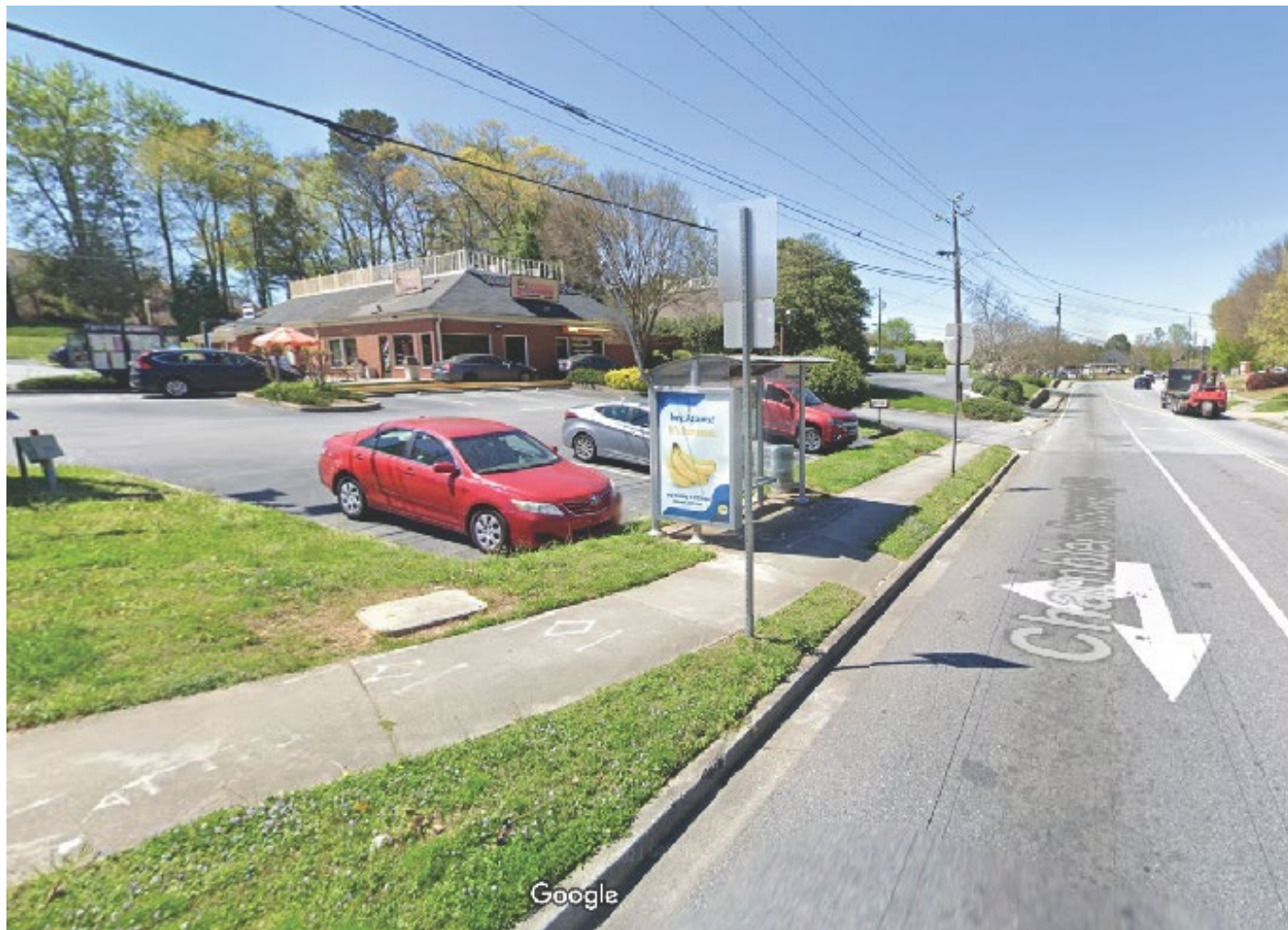
Existing Sidewalks

4 to 6 feet wide generally with ADA deficiencies, varying buffer, intermittent street trees and lighting



Bicycle Accommodations

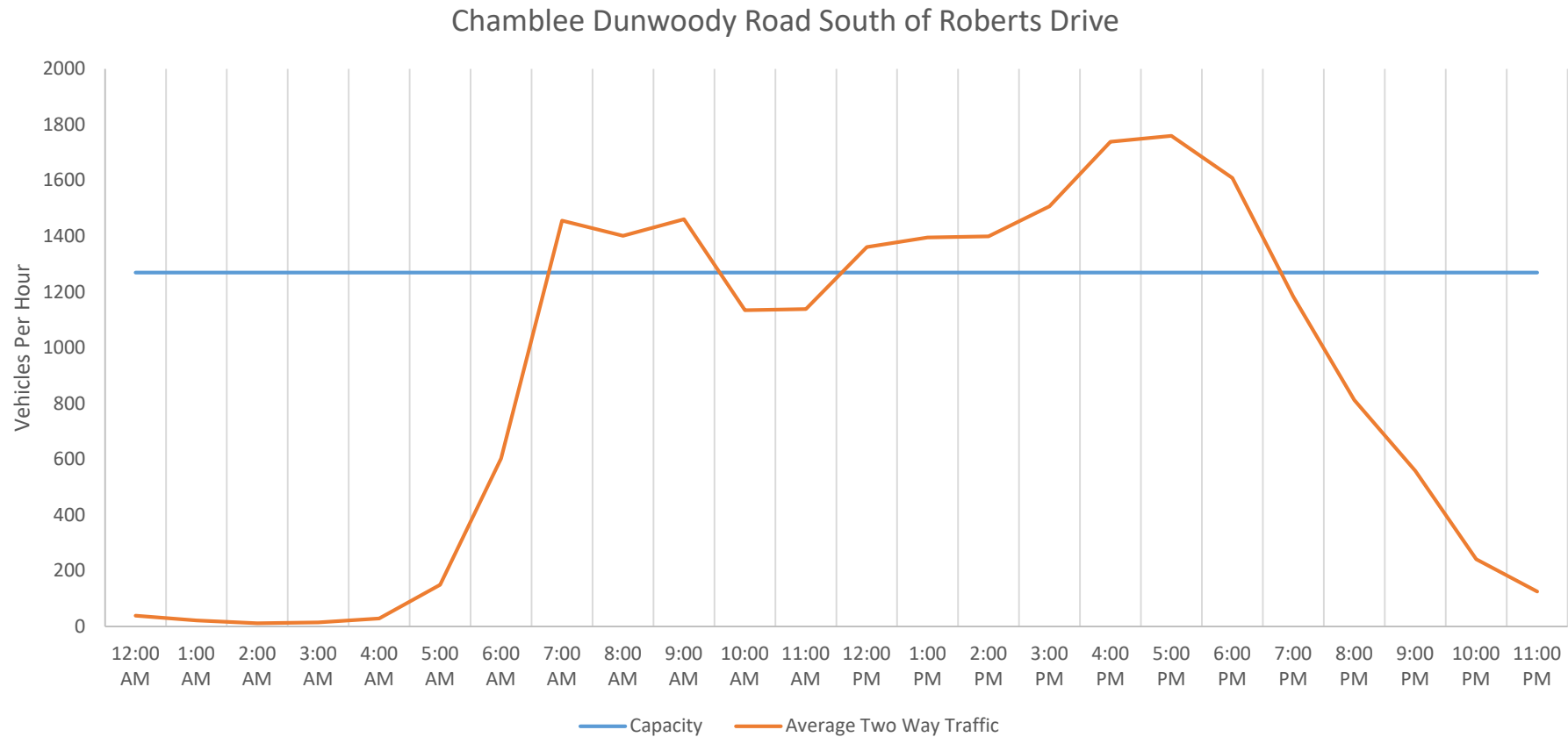
Short section of on-street bike lane between Dunwoody Village Parkway and Roberts Drive



Transit

MARTA bus route 150 out of Dunwoody Station

3 stops on southbound side of Chamblee Dunwoody, 2 with shelters



Traffic Conditions

Traffic volume is around the capacity limit for a two-lane roadway most hours of daytime and over capacity between 3 p.m. and 6 p.m.

Traffic flow primarily regulated by Mount Vernon intersection

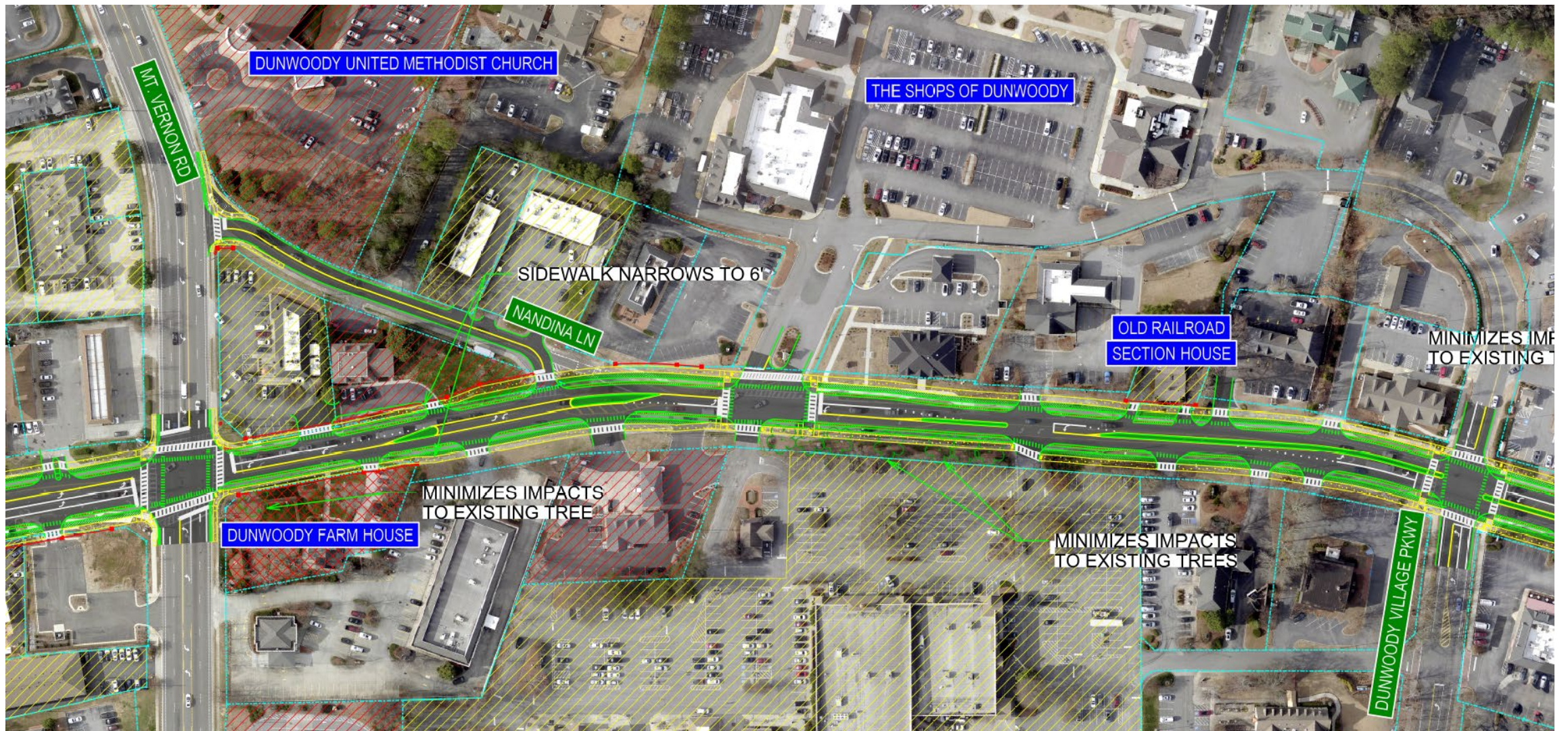


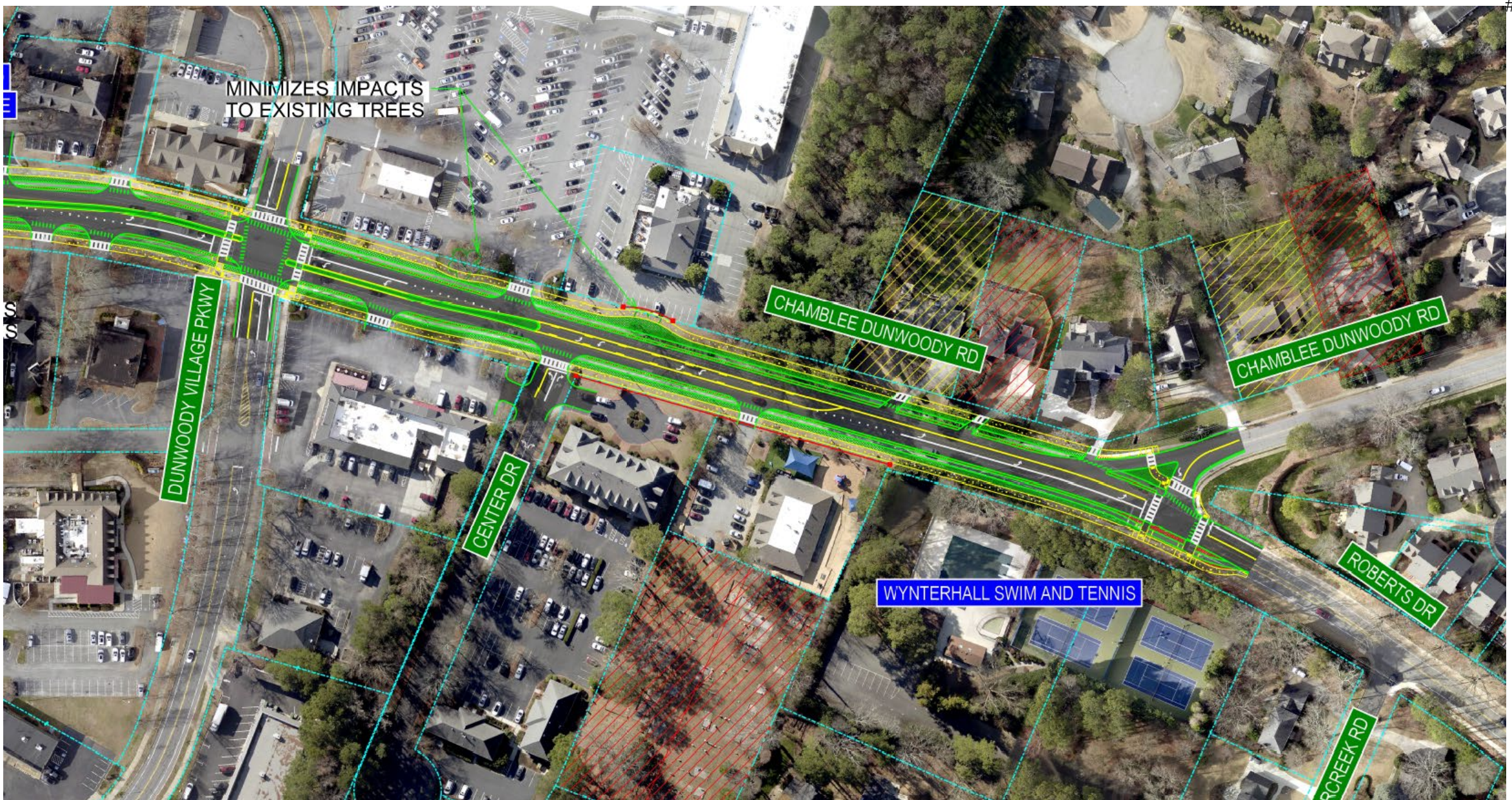
TYPICAL SECTION: CHAMBLEE DUNWOODY ROAD
PREFERRED TYPICAL: 1NB LANE + MEDIAN



TYPICAL SECTION: CHAMBLEE DUNWOODY ROAD
CONSTRAINED TYPICAL: 1NB LANE + MEDIAN





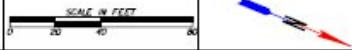




Chamblee Dunwoody Road (CDR) at Mount Vernon Road (MVR)

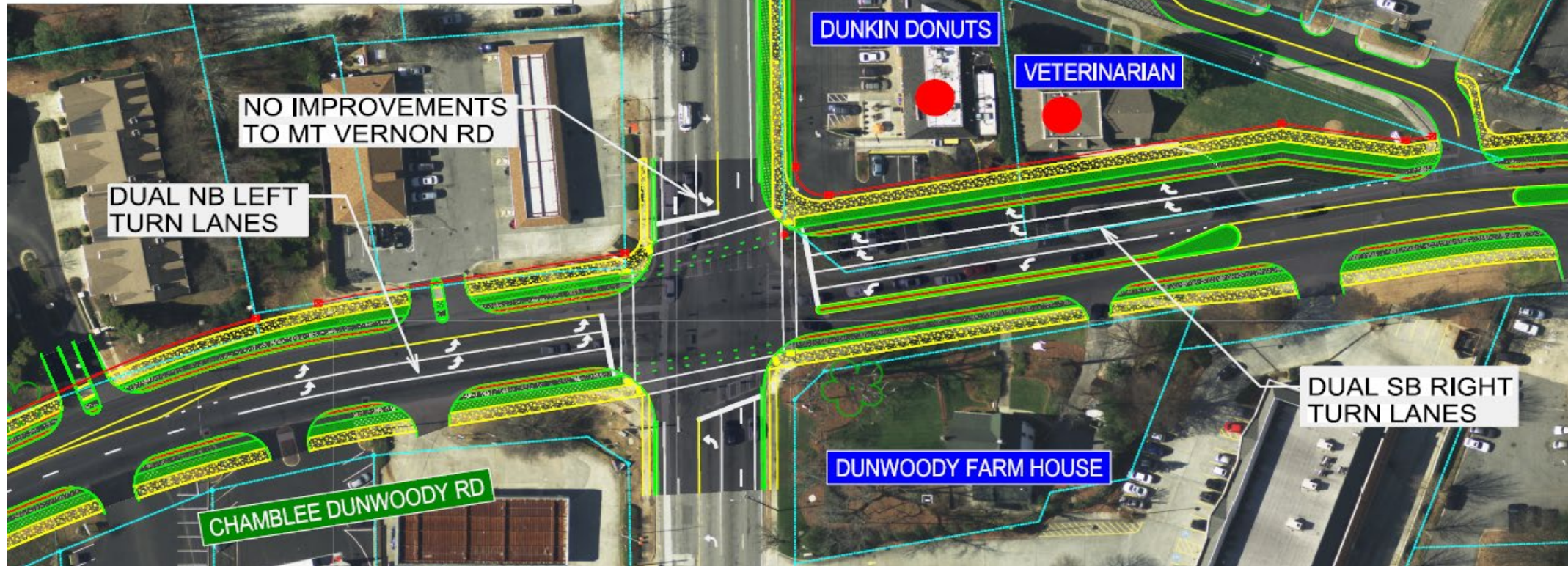


AECOM



Alternative 2: Nandina Triangle Full Take

- Dual NB Left Turn Lanes
- Dual SB Right Turn Lanes
- 1 NB Thru Lane on CDR
- Nandina Lane closes
- Full Take of Nandina Triangle



Chamblee Dunwoody Road (CDR) at Mount Vernon Road (MVR)

City of
Dunwoody
Georgia

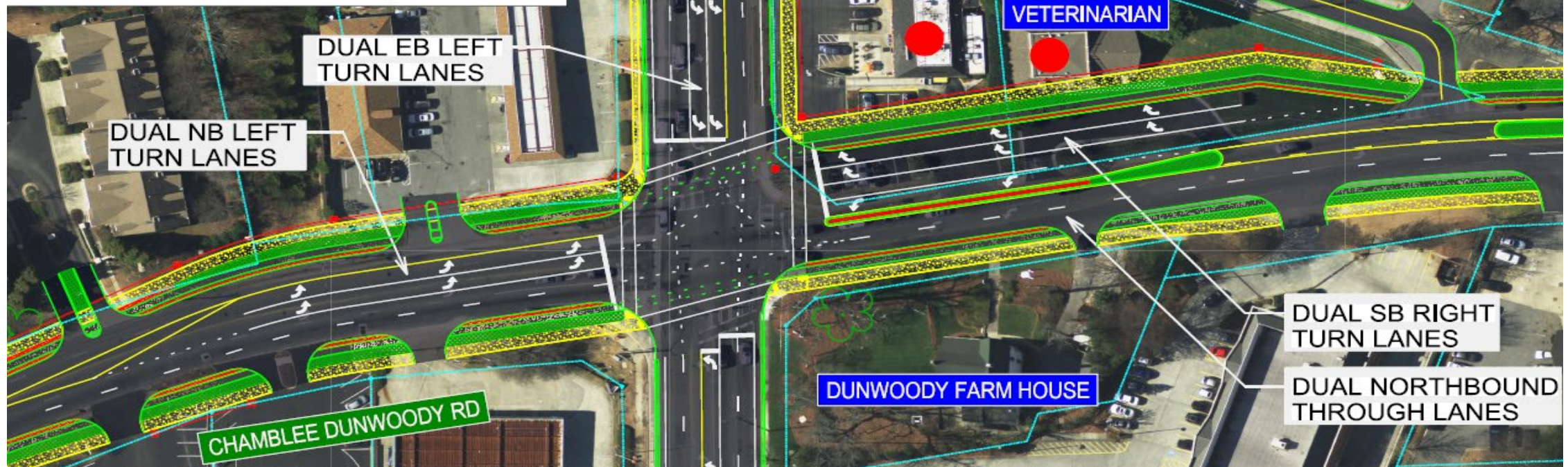
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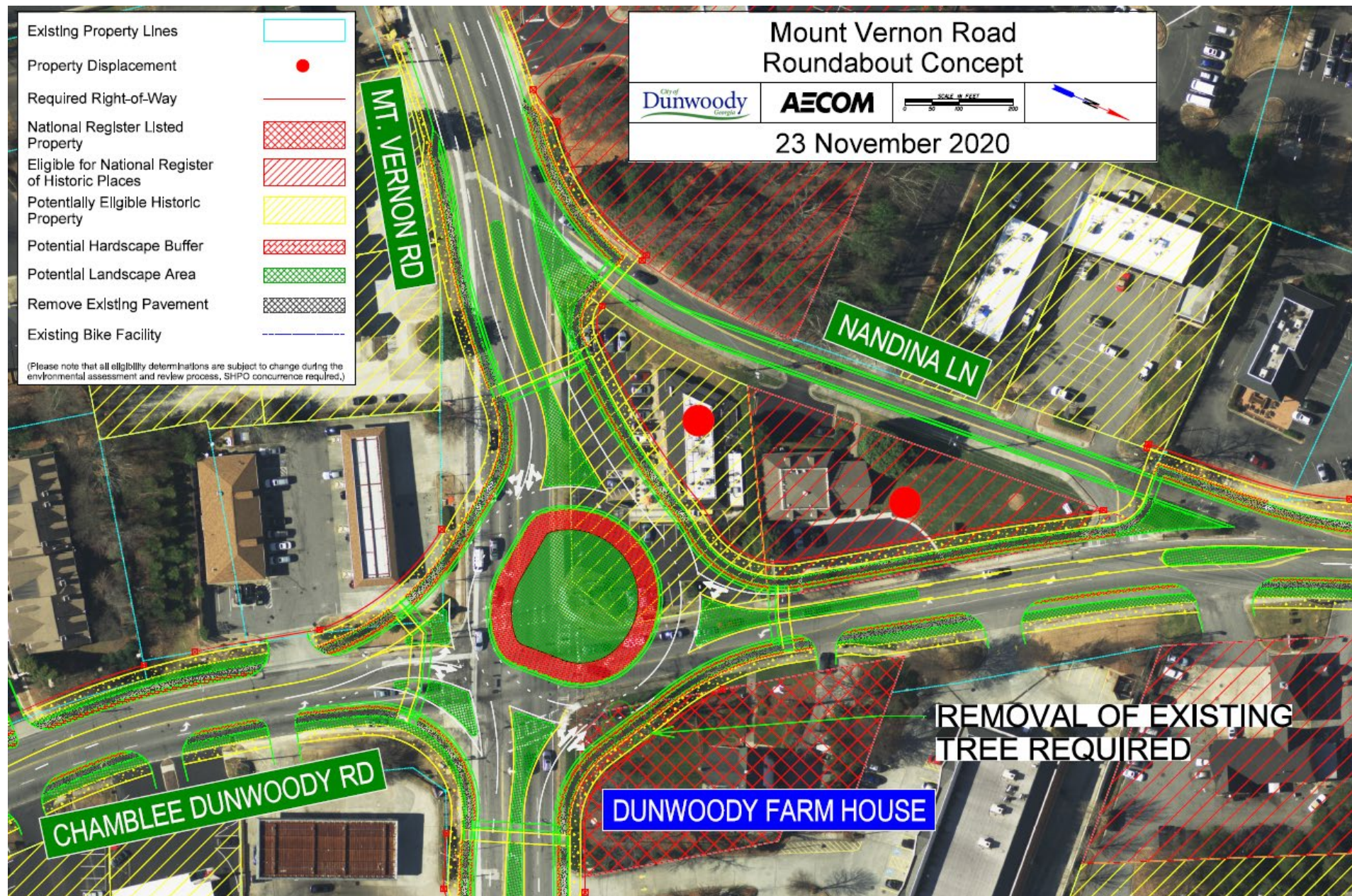
SCALE IN FEET
0 20 40 60

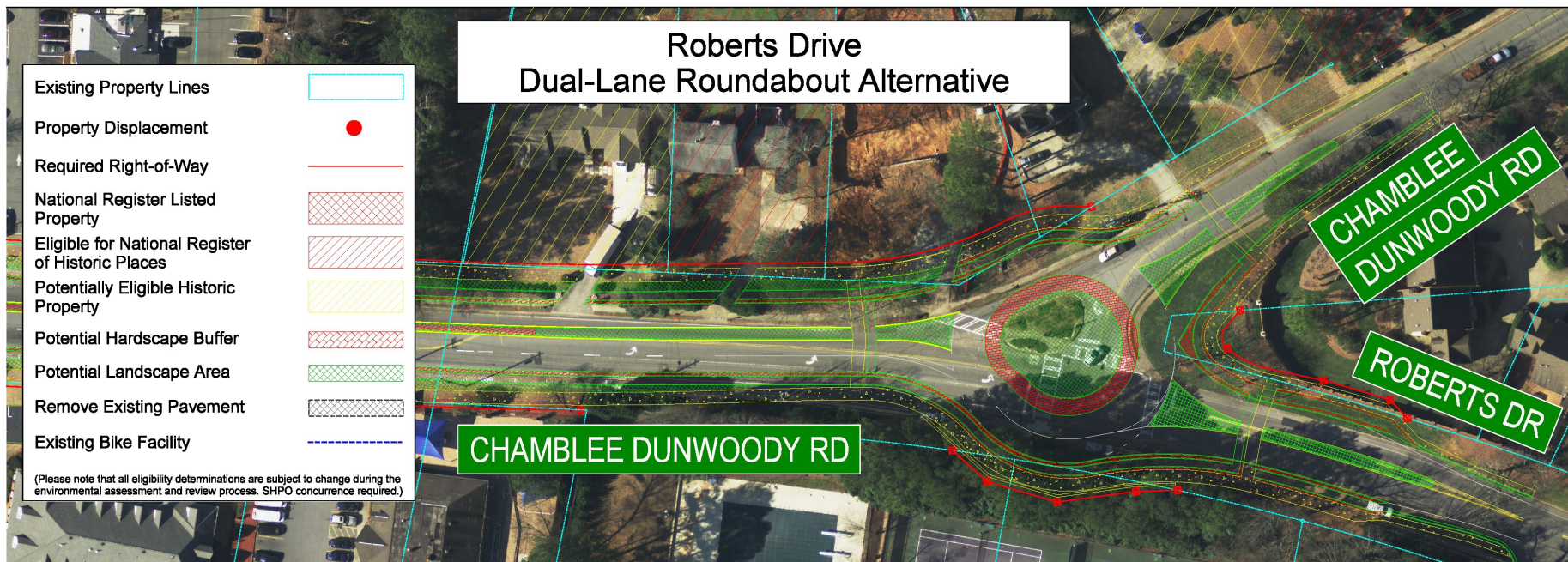
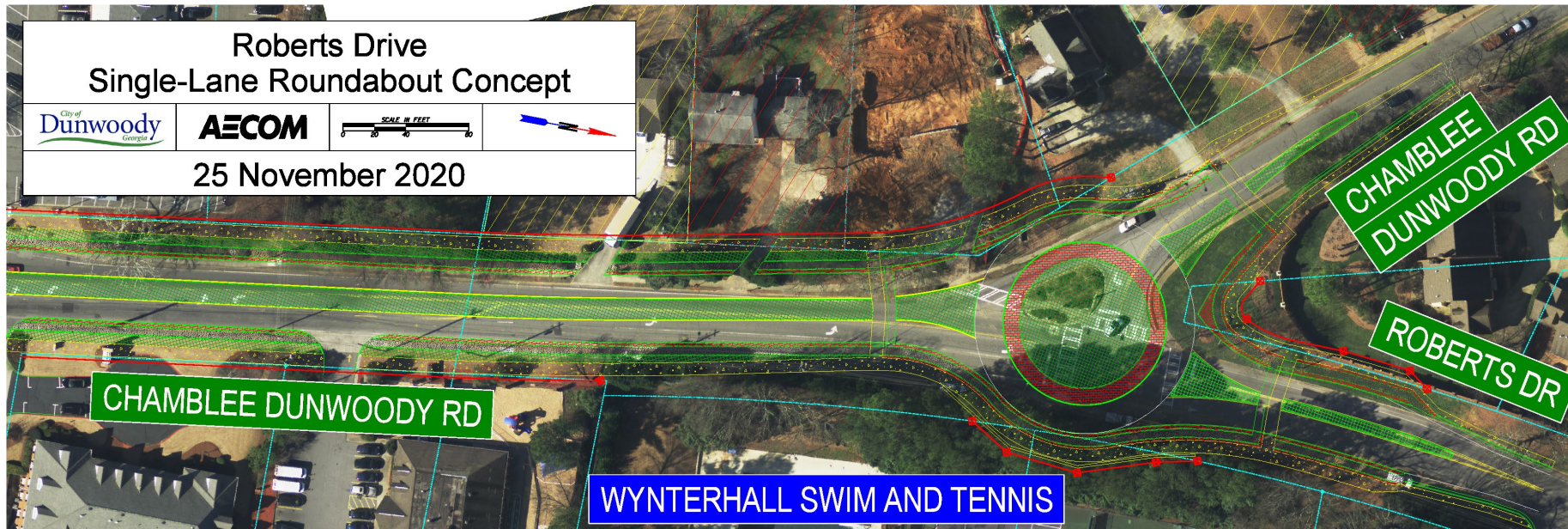


Alternative 3: All Improvements

- Dual NB Left Turn Lanes
- Dual SB Right Turn Lanes
- Dual EB Left Turn Lanes
- 2 NB Thru Lane on CDR, increases vehicular throughput on CDR
- Nandina Lane closes
- Full Take of Nandina Triangle








Public Comments Gathered via Project Page on City Website

- 1,000 website page views
- Over 3,000 video views
- 82 Written Comments Submitted
- 76% Support the Concept as Presented

POLICE
GOVERNMENT
BUSINESS
I WANT TO

Village Crossroads - Chamblee Dunwoody Road

Concept
Preliminary Design
Final Design
Right-of-Way Acquisition
Utility Relocation
Construction
Complete



Video

Dunwoody's V...

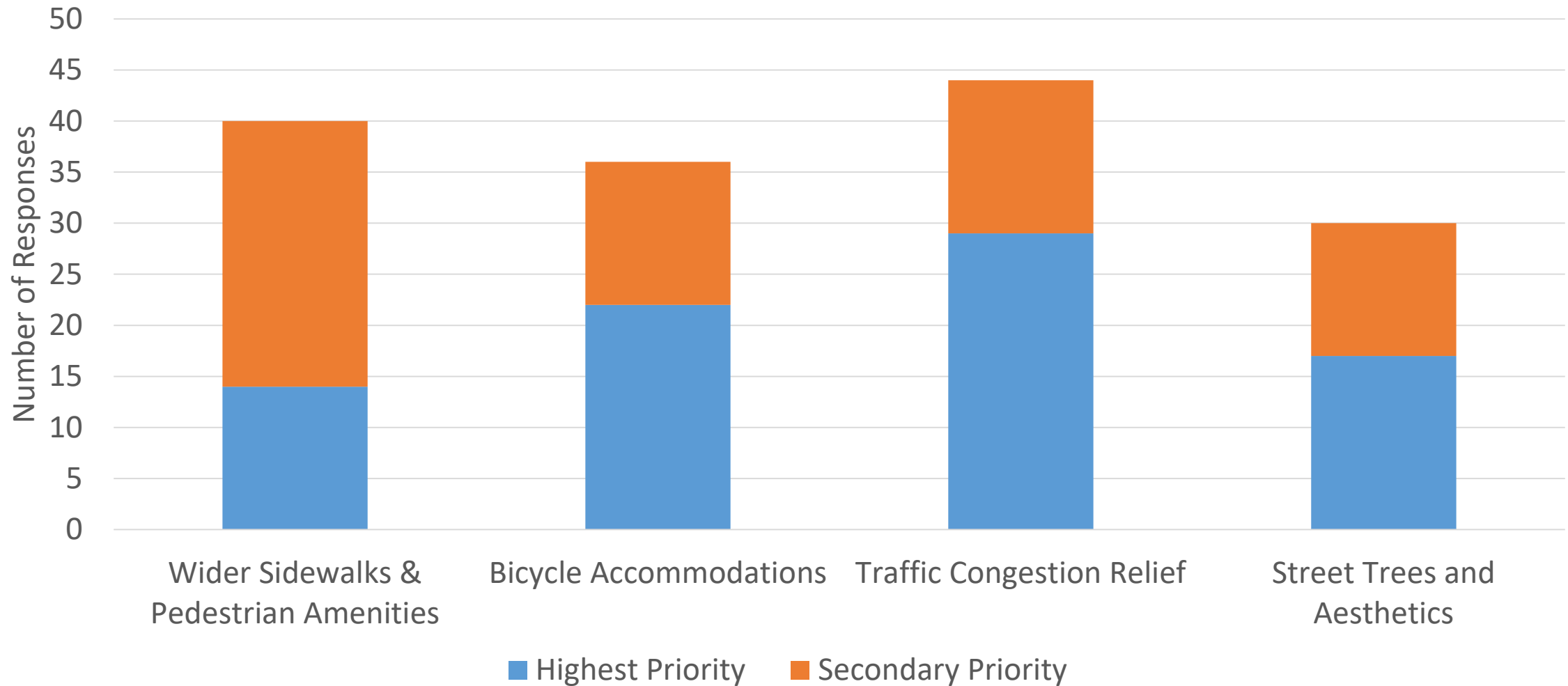
Contact

Sign up!

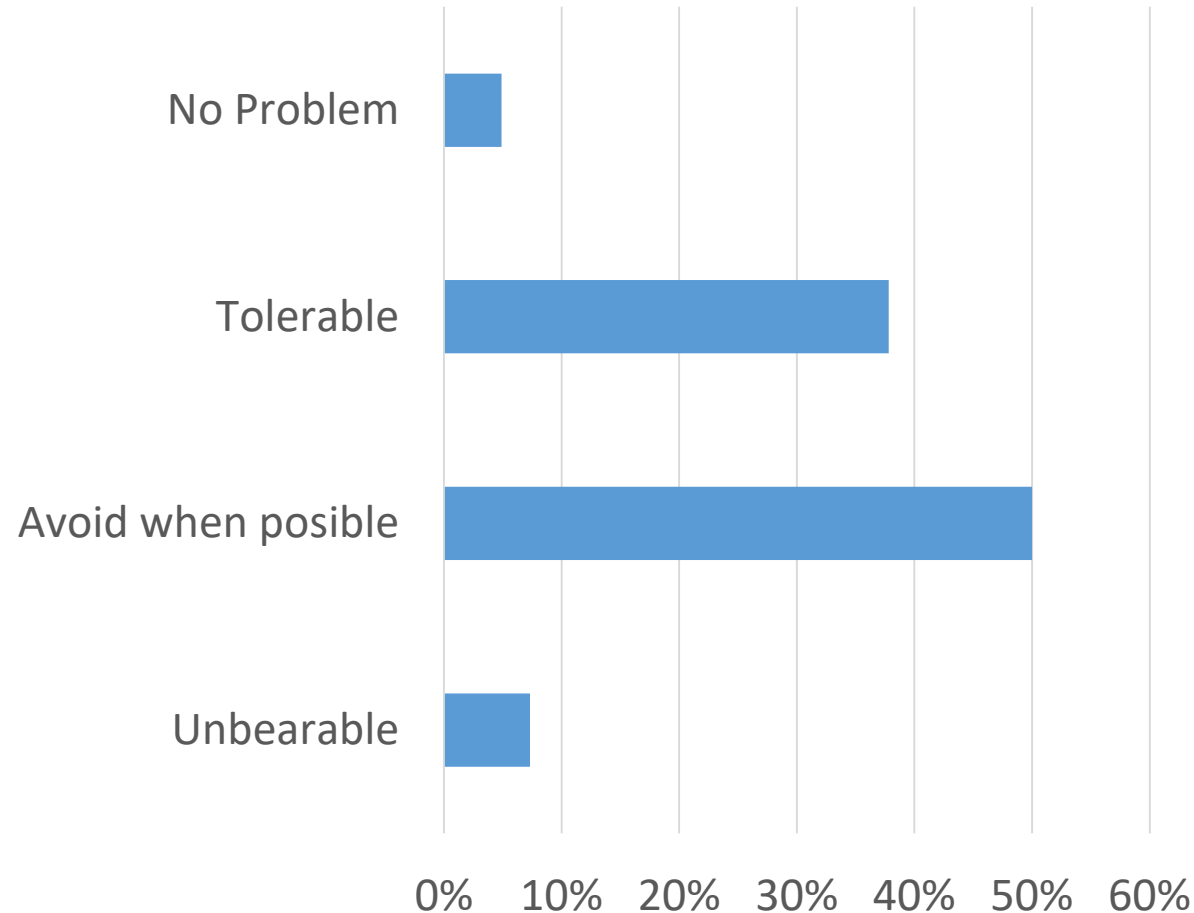
What Should Be Primary Consideration for this Project?



Rank the Proposed Improvements in Order of Priority



Describe Your Level of Tolerance for Existing
Traffic Congestion on Chamblee Dunwoody Road
in Dunwoody Village



“..study recognizes the main problem and proposes no solution: northbound traffic on Chamblee Dunwoody, north of Mt. Vernon.”

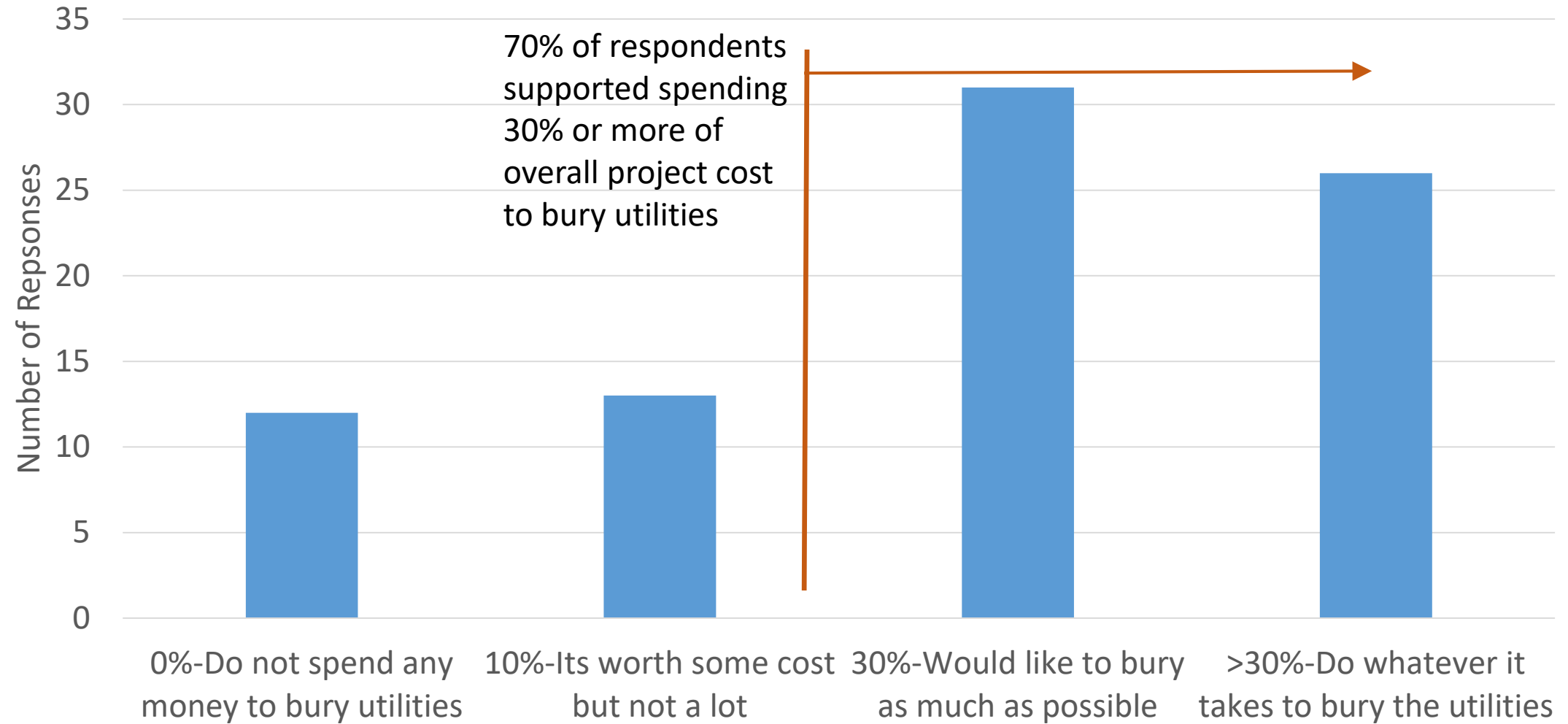
“For as long as traffic is a disaster, people will avoid or minimize their usage in this area. We do not frequent locations in the ‘heart of Dunwoody’ because it’s such a hassle...”

“I am not in favor of any changes that would encourage more commuters to pass through Dunwoody solely as a way to get from outside Dunwoody into the Perimeter district.”

“The biggest issue is not being addressed-the left turn lane from Mt. Vernon, north onto Chamblee-Dunwoody Road.”

“Traffic needs to flow on Chamblee Dunwoody while balancing the desire for walkability for the village...”

What % of the Overall Project Cost Would You Support Allocating to Burying Utilities?



What % of the Overall Project Cost Would You Support Going to Public Art along the Corridor?

